# COMPLIANCE & TECHNICAL ASSISTANCE BRANCH FIELD OPERATIONS



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#### DIVISION OF WATER

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#### Resource Planning & Water Infrastructure Surface Water Permits Compliance & Technical Watershed **Water Quality Program Support Branch** Branch Branch Assistance Branch Management Branch Branch Kristie Graham Sara Anderson Jory Becker Sarah Goddis John Webb Andrea Keatley Manager Manager Manager Manager Manager Manager Claude Carothers Lorrie Rhodes Jill Wilhelm Kathy Clarkson Wendy Higgins Lori Huckleberry Admin. Specialist III Program Coordinator Admin. Specialist III Admin. Specialist III Admin. Specialist III Admin. Specialist III. **Grants Management** Resource Extraction Drinking Water Comp & **Bowling Green** Nonpoint Source & Basin Monitoring Engineering Section Section Section **Tech Assistance Section** Regional Office **Team Section** Section Kim Greenidge Terry Humphries Amy Van Horne Joseph Uliasz Bill Baker Jim Roe Melanie Arnold Supervisor Supervisor Supervisor Supervisor Supervisor Supervisor Supervisor Resource Planning Wastewater Municipal Operational Permits Columbia GIS & Data Analysis Water Quality Florence Section **Planning Section** Section Regional Office Regional Office Section Certification Section Robin Snider Russell Neal Jo Blanset Greg Goode Brian Crump Matt Gross Beth Harrod Supervisor Supervisor Supervisor Supervisor Supervisor Supervisor Supervisor **Drinking Water Capacity** Laboratory Floodplain Management Frankfort Water Quantity TMDL Hazard Certification Section **Development Section** Section Regional Office Regional Office Section Section Kevin Stewart Russell Neal Ron Dutta Rob Daniell Joshua George Chloe Brantley Alicia Jacobs Supervisor Supervisor Supervisor Supervisor Supervisor Supervisor Supervisor Dam Safety & Floodplain Permit Support London Groundwater Louisville Regional Office Compliance Section Section Regional Office Section Glen Alexander Karina Villanueva Robert Miller Charlie Roth David Jackson Supervisor Supervisor Supervisor Supervisor Supervisor SRF & SPAP Wet Weather Madisonville Morehead Regional Office Regional Office Section Section

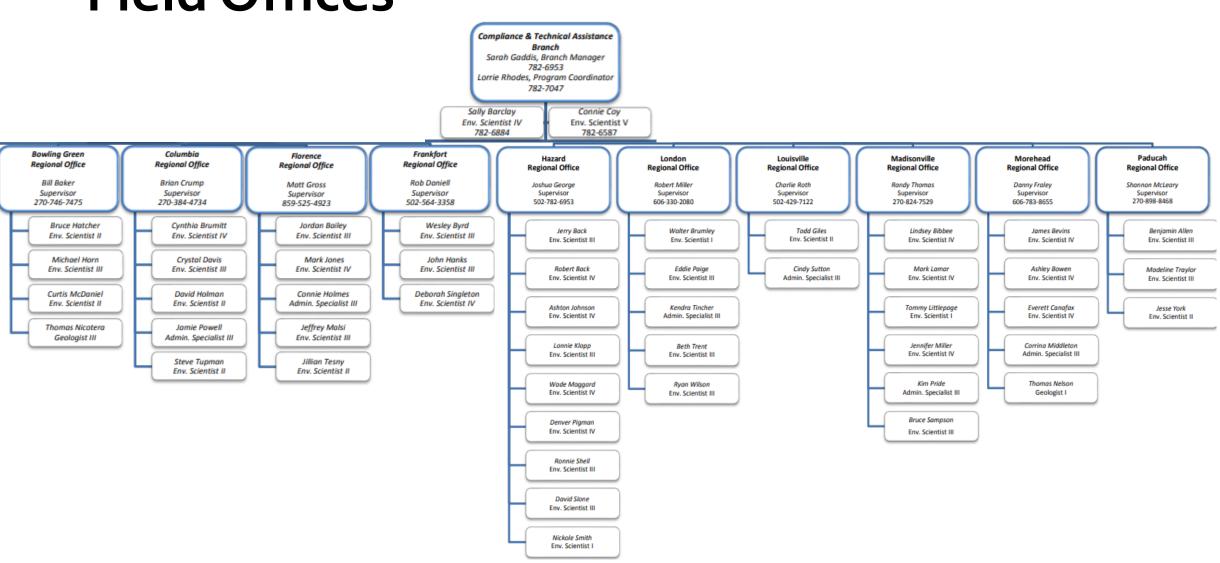
Randy Thomas

Supervisor

Paducah Regional Office Shannon McLeary Supervisor Danny Fraley

Supervisor

#### **Field Offices**





Division of Water Regional Offices

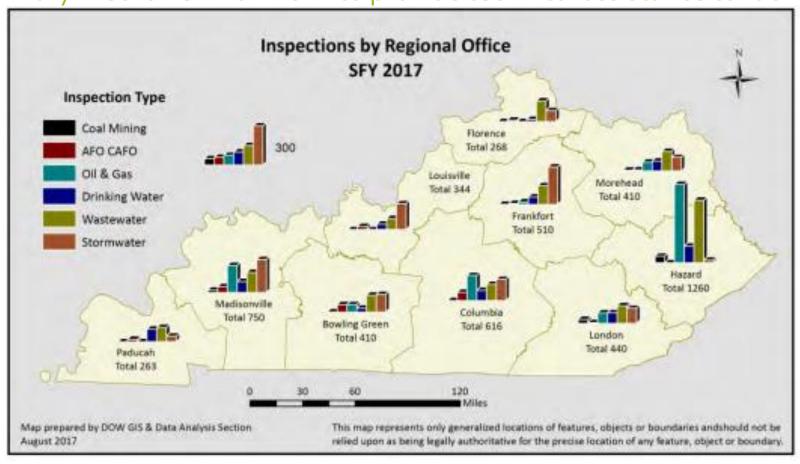
### Inspection Areas

- Wastewater Facilities
- Drinking Water Facilities
- Stormwater
- Oil & Gas
- Floodplain
- Agriculture
- Coal Mining Sectors



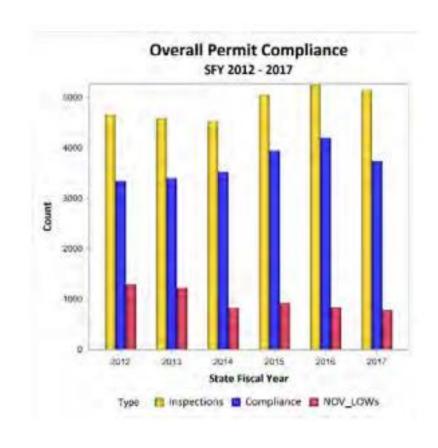
### **Compliance Inspections**

Inspections ensure that wastewater, stormwater, and drinking water facilities are meeting federal and state regulatory requirements, permit conditions, and are a primary mechanism for DOW to provide technical assistance to facilities.



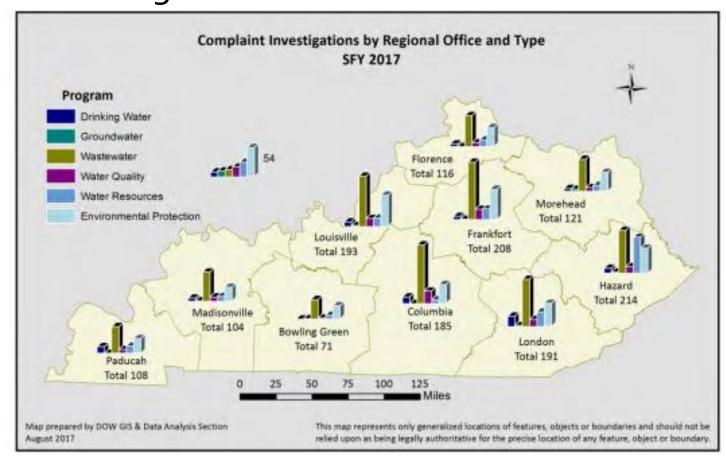
### Inspections

- FY17 5,271 inspections conducted
  - 58% were for wastewater and stormwater permits
  - 42% were for drinking water, oil and gas, agriculture and coal mining sectors
  - Compliance rate was around 80%



### Investigations

• FY17 – 1,511 complaint investigations



### What does an inspector look for during a KPDES inspection?

An inspector looks for compliance with the KPDES permit and other regulations, including water quality standards.

#### Questions we ask ourselves as we conduct an inspection:

Does the site have a permit?

Is the facility staffed with the required certified operators?

Is the facility being properly operated and maintained?

Does the facility maintain all the required documentation?

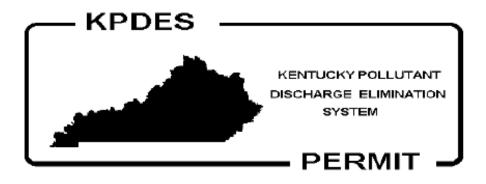
Has the permittee prepared and implemented an SWPPP?

Has the facility reported spills, bypasses, or releases?

Have pollutants entered the stream and is there degradation?

### Does the site have a permit?

- Has the responsible party applied for the proper KPDES permit as required by the Division of Water? [401 KAR 5:060 Section 2(2)(a)]
- Does the responsible party hold the proper KPDES permit? [401 KAR 5:060 Section 8]



PERMIT NO.: KYR100000 AI NO.: 35050

#### AUTHORIZATION TO DISCHARGE UNDER THE KENTUCKY POLLUTANT DISCHARGE ELIMINATION SYSTEM (KPDES)

Pursuant to Authority in KRS 224,

Stormwater Discharges Associated with Construction Activities

is authorized to discharge from a facility located at

Within any of the 120 counties of the Commonwealth of Kentucky

to receiving waters named

Those water bodies of the Commonwealth that comprise the Mississippi and Ohio River basins and sub-basins within the political and geographic boundaries of Kentucky

in accordance with effluent limitations, monitoring requirements and other conditions set forth in this permit.

This permit shall become effective on December 1, 2014.

This permit and the authorization to discharge shall expire at midnight, November 30, 2019.

November 21, 2014

Date Signed

Peter T. Goodmann, Director

Division of Water

DEPARTMENT FOR ENVIRONMENTAL PROTECTION

Division of Water, 200 Fair Oaks Lane, Frankfort, Kentucky 40601

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### Read Your Permit

### **Common Violations**

- ✓O &M/Housekeeping
- ✓ Developing and implementing BMP plans
- ✓ Identifying effective BMPs
- ✓ Staying within permit limits
- ✓ Failure to report spills and bypasses
- ✓ Failure to renew permits in a timely manner
- ✓ Certified Operator



### Permittees Struggle with...

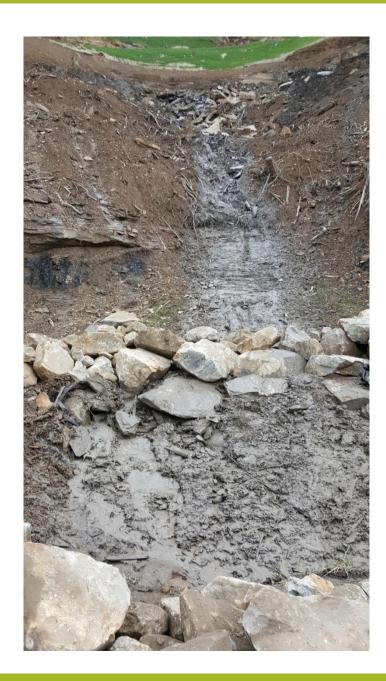


- Permit limit changes
- Comprehending or understanding the permit
- Monitoring schedules
- Recording Keeping and proper O&M
- Field & Lab Certification Requirements
- Reporting spills/bypasses as required
- DBP compliance

### Have pollutants entered the stream and is there degradation?

- Have pollutants entered the waters of the Commonwealth? [KRS 224.70-110]
- Have surface waters been aesthetically or otherwise degraded? [401 KAR 10:031 Section 2]

Muddy water flowing from the bench down into the sump.







The muddy discolored water from the UT was causing discoloration in the North Fork of the KY River

Discharge Point





### Overflows & Bypasses



### Has the facility reported spills, bypasses, or releases?

Is the facility in compliance with the reporting requirements for spills, bypasses, and other releases to the environment? [401 KAR 5:015 Section 2]

#### Effluent

### **Treatment Plant**





**UV** System



### Floodplains and 401





### Floodplains & 401





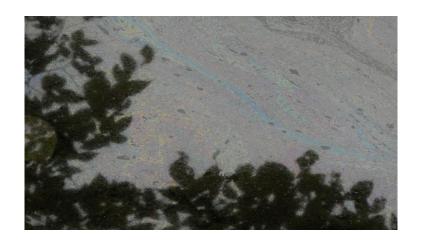


### Oil & Gas



### Oil Staining

### Sheen & brine pump







### Improperly Installed BMPS Lack of Maintenance





### Construction Lack of Maintenance





### Improper Storage of Materials





## Questions 2???

Thanks: <a href="http://water.ky.gov/Pages/Division%200f%20Water.aspx">http://water.ky.gov/Pages/Division%200f%20Water.aspx</a>